Reverse DNS in IPv6 for Internet Service Providers

draft-howard-isp-ip6rdns-03

Lee Howard, Time Warner Cable
Alain Durand, Comcast
Problem Statement

• In IPv4, an ISP can pre-populate reverse zone with every possible address assigned to a customer
• In IPv6, it would take trillions of years to write every possible PTR in a /64
Change Log

- Retrack to *Informational*
- Added note that same considerations may apply to SOHO/SMB
- Editorial changes
  - Corrected some misformattted examples
  - Corrected typos and formatting
Change Log

• Changed “delegation of zone to customer won’t work because CPE gateways aren’t auth servers and can’t do dynamic DNS” to “…is dependent on CPE support.”

• Changed “customer gateway as DHCP server can’t update because they don’t support FQDN DHCP option” to “…is dependent on CPE support.”

*paraphrased
Change Log

• Removed discussion of confusion with multiple wildcards; RFCs document correct behavior

• In discussion of authentication of dynamic DNS, changed “DNSsec” to “TSIG”